

Abstract

One aspect of the present invention relates to heterocyclic compounds. A second aspect of the present invention relates to the use of the heterocyclic compounds as ligands for various mammalian cellular receptors, including G-protein-coupled receptors (GPCRs). A third aspect of the present invention relates to the use of the heterocyclic compounds as ligands for various mammalian kinases. The compounds of the present invention will also find use in the treatment of numerous ailments, conditions and diseases which afflict mammals, including but not limited to addiction, anxiety, depression, sexual dysfunction, hypertension, migraine, Alzheimer's disease, obesity, emesis, psychosis, analgesia, schizophrenia, Parkinson's disease, restless leg syndrome, sleeping disorders, attention deficit hyperactivity disorder, irritable bowel syndrome, premature ejaculation, menstrual dysphoria syndrome, urinary incontinence, inflammatory pain, neuropathic pain, Lesche-Nyhan disease, Wilson's disease, Tourette's syndrome, psychiatric disorders, stroke, senile dementia, peptic ulcers, pulmonary obstruction disorders, asthma, cancer, cell proliferative disorders, fibrotic disorders, metabolic disorders, and diabetes. The present invention also relates to combinatorial libraries of the novel compounds, and methods of preparing said libraries.